intent to misstate the information is documented by the applicant's own pleadings. Accordingly, the Commission can and should dismiss the Four Jacks application without a hearing based on the blatant misconduct that has occurred before its own eyes. See RKO General Inc. v. FCC, 670 F.2d 215, 231-236 (D.C. Cir. 1981), cert. denied, 456 U.S. 927 (1982).

IV. Conclusion.

For the foregoing reasons, the above-referenced application should be dismissed, or in the alternative, denied.

Respectfully submitted,

SCRIPPS HOWARD BROADCASTING COMPANY

Bv:

Donald P. Zeifang Kenneth C. Howard

Patricia M. Steel

BAKER & HOSTETLER 1050 Connecticut Avenue, N.W. Suite 1100 Washington, D.C. 20036

Its Attorneys

February 25, 1992

CERTIFICATE OF SERVICE

I, Cathleen Parham, a secretary in the law firm of Baker & Hostetler, do hereby certify that a copy of the foregoing Reply To Opposition To Petition To Deny Application was mailed on this 25th day of February, 1992, to the following:

Martin Leader, Esq. Fisher, Wayland, Cooper and Leader 1255 Twenty-Third Street, N.W. Suite 800 Washington, D.C. 20037-1125

Cathleen Parham



ENGINEERING STATEMENT
IN RESPONSE TO THE OPPOSITION TO
PETITION TO DENY THE APPLICATION OF
FOUR JACKS BROADCASTING, INC.
PREPARED ON BEHALF OF
SCRIPPS HOWARD BROADCASTING COMPANY

FEBRUARY 1992

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

City of Washington	
District of Columbia) ss)
Donald G. Everist, being	duly sworn upon his oath, deposes and states that:
of Columbia, and is Secretary-	al engineer, a Registered Professional Engineer in the District Treasurer of Cohen, Dippell and Everist, P.C., Consulting with offices at 1300 L Street, N.W., Suite 1100, Washington,
That his qualifications are	a matter of record in the Federal Communications Commission;
That the attached enginee direction and	ering report was prepared by him or under his supervision and
	n are true of his own knowledge, except such facts as are stated and as to such facts he believes them to be true.
	Maid Cours
	Donald G. Everist District of Columbia
	Professional Engineer
	Registration No. 5714
Subscribed and sworn to	before me this $24^{\frac{1}{2}}$ day of Februar, 1992.
	Carl L. Lyon
	Motary Public/
	My Commission Expires: 2/28/93

This engineering statement has been prepared on behalf of Scripps Howard Broadcasting Company ("Scripps"), licensee of WMAR-TV, Baltimore, Maryland and is in response to the Opposition to Petition to Deny the application of Four Jacks Broadcasting, Inc. ("FJB"). In its opposition to the Petition to Deny, FJB takes issue with several items -- Protection to Monitoring Station and FCC Form 301 V-C, Question 14. Further comments are directed towards FJB use of a single transmission line under the heading "Other".

Item One - **Protection to Monitoring Station** - FJB concedes that its proposal will produce 7 dB greater field strength at the Laurel Monitoring Facility than the present WMAR-TV facility. However, FJB does not indicate how it arrives at this figure and how the proposed facility will not impact upon the Laurel Monitoring Facility other than to claim that there will be no impact. It produces no calculations to substantiate its claim, therefore, it has not adequately demonstrated compliance with Section 73.1030 of the FCC Rules. Abstracted is the pertinent provisions of Section 73.1030 applicable to the FJB proposal.

- "(c) Protection for Federal Communications Commission monitoring stations
 - (1) Applicants in the vicinity of a FCC monitoring station for a radio station authorization to operate new transmitting facilities or changed transmitting facilities which would increase the field strength produced over the monitoring station in excess of that previously authorized are advised to give consideration, prior to filing applications, to the possible need to protect the FCC stations from

harmful interference. Geographical coordinates of the facilities which require protection are listed in §0.121(c) of the FCC Rules. Applications for stations (except mobile stations) which will produce on any frequency a direct wave fundamental field strength of greater than 10 mV/m in the authorized bandwidth of service (-65.8 dBW/m² power flux density assuming a free space characteristic impedance of 120 π ohms) at the referenced coordinates, may be examined to determine extent of possible interference. Depending on the theoretical field strength value and existing root-sumsquare or other ambient radio field signal levels at the indicated coordinates, a clause protecting the monitoring station may be added to the station authorization.

- (2) In the event that calculated value of expected field exceeds 10 mV/m (-65.8 dBW/m²) at the reference coordinates, or if there is any question whether field strength levels might exceed the threshold value, advance consultation with the FCC to discuss any protection necessary should be considered. Prospective applicants may communicate with: Chief, Field Operations Bureau, Federal Communications Commission, Washington, D.C. 20554, Telephone (202) 632-6980.
- (3) Advance consultation is suggested particularly for those applicants who have no reliable data which indicates whether the field strength or power flux density figure indicated would be exceeded by their proposed radio facilities (except mobile stations). In such instances, the

The predicted field based upon the FCC F(50,50) propagation curve is 92.7 dBu for visual carrier and 82.7 dBu for aural carrier. Even on this basis, the FJB proposal exceeds the FCC limit. See Table 1 which details the calculations based upon the FCC F(50,50) propagation curve for the present WMAR-TV operation and the proposed FJB operation. As seen from these calculations, FJB will increase the Channel 2 field by 7.9 dBu. The aural field would increase from 74.8 dBu to 82.7 dBu, exceeding the 10 mV/m (80 dBu) limit for the first time. It is further noted that the Rule clearly states that the calculation be performed using the direct wave and those calculations then become 103.5 dBu for visual carrier and 93.5 dBu for aural carrier.

Therefore, FJB exceeds the 10 mV/m direct wave criteria and it fails to demonstrate how it intends to comply.

The FJB calculation methodology cannot be in accordance with Section 73.1030 of the FCC Rules. This is further revealed in its determination that ... "The calculation of WPOC(FM), as discussed in the original application will result in a predicted decrease in the WPOC(FM) predicted field at the monitoring station from 83.98 dBu to 83.92 dBu." WPOC(FM) is a Class B station entitled to operate with maximum facilities for its class. Since WPOC(FM) established its current facilities prior to the metric conversion, it operates with an equivalent to 50 kW and 500 feet height above average terrain. Attached hereto is Table II which sets forth the



ENGINEERING STATEMENT
SCRIPPS HOWARD BROADCASTING COMPANY

PAGE 5



Item Three - Other -FJB takes issue with one of the assumptions that two transmission lines would be employed. In fact, FJB provides little information on how it proposes to operate. For example, one reason to employ two transmission lines is to have redundancy in the event of a failure of one of the lines, to permit continued operation. FJB does not disclose if it contemplates having a licensed auxiliary operation. This would be desirable in the event of the failure of its proposed single transmission line. WMAR-TV has a fully redundant auxiliary operation including transmitter, transmission line and antenna as would be expected for a market of the size of Baltimore.

Operation During Outages

FJB stated in its application its intent to install auxiliary power systems. However, FJB did not propose any standby system to cover outage situations such as:

- ° STL System
- ° Transmitter
- ° Transmission Line
- ° Antenna

FJB states that the transmitter site would be equipped with a backup generator to power the transmitter and associated equipment while the main studio generator would be of sufficient power to operate a console and other equipment necessary for station operation.

In the event of a failure of the STL system, the transmitter, the transmission line, or the antenna, FJB service to the public will cease.

The Scripps Howard operation of WMAR-TV currently includes the following:

- 1. A 400 KVA auxiliary power unit is maintained that will feed the entire studio.
- 2. A 185 KVA generator is maintained that will feed the entire transmitting plant of WMAR-TV.
- 3. Redundant STL system (transmit and receive).
- 4. A standby full-power television transmitter is maintained on site. This transmitter is a self redundant parallel transmitter which can operate at full power or with either single transmitter at one-half power. In addition, the main transmitter features dual exciters.
- 5. WMAR-TV maintains a spare 3.5 inch transmission line.
- 6. WMAR-TV maintains a spare antenna located underneath the candelabra portion of the tower with an antenna height above average terrain of 276 meters at approximately 1/3 of licensed ERP.

From the system described above, the current Scripps Howard operation of WMAR-TV provides continuous full television studio and transmission service to Baltimore under major emergencies or equipment breakdowns.

TABLE I

FCC MONITORING STATION PROTECTION LAUREL, MARYLAND FEBRUARY 1992

<u>SUBJECT</u>: Predicted Channel 2 television field strength values at the protected FCC field office at Laurel, Maryland.

WMAR Licensed Channel 2 Site

FCC Field Office Site

N 39° 20' 05" - W 76° 39' 03"

to

N 39° 09' 54" - W 76° 49' 17"

per §0.121(c) of the FCC Rules

WMAR to Field Office:

23.91 km, N 217.9°E

Predicted F(50,50) Field at 23.91 km:

84.8 dBu (visual)

and

74.8 dBu (aural)

Four Jacks Broadcasting, Inc. Proposed Channel 2 Operation:

FJB Coordinates

to

FCC Monitoring Station

N 39° 17' 13" - W 76° 45' 16"

N 39° 09' 54" - W 76° 49' 17"

per §0.121(c) of the FCC Rules

Four Jacks Site to Field Office:

14.72 km, N 203.1°E

Predicted F(50,50) Field at 14.72 km:

92.7 dBu (visual)

and

82.7 dBu (aural)

- Based on FCC curves, a predicted increase of 7.9 dB visual signal in predicted field strength will occur at the Commission protected Laurel, Maryland monitoring station
- Based on FCC curves, the Channel 2 aural signal will increase from 74.8 dBu to 82.7 dBu, exceeding the 10 mV/m (80 dBu) limit.

TABLE II FCC MONITORING STATION PROTECTION LAUREL, MARYLAND FEBRUARY 1992

Predicted WPOC(FM) 16 kW (licensed) and 21 kW (proposed) field strength values at the protected FCC field office at Laurel, Maryland, per Section 73.1030(c) of the FCC Rules. The proposed 21 kW WPOC(FM) operation would be necessitated by Four Jacks Broadcasting, Inc. proposed Channel 2 operation.

WPOC(FM) Coordinates	to	FCC Monitoring Station
N 39° 17' 13" - W 76° 45' 16"		N 39° 09' 54" - W 76° 49' 17" per §0.121(c) of the FCC Rules
WPOC(FM) Site to Field Office:		14.72 km, N 203.1°E
Predicted Unattenuated or		95.2 dBu (60 mV/m) licensed
"Direct-Wave" fundamental field:		96.8 dBu (69 mV/m) proposed

TABLE III

ALL OTHER LICENSEES
LOCATED AT THE FOUR JACKS BROADCASTING, INC. SITE
N 39° 17' 13" - W 76° 45' 16"
AT OR ABOVE THE 550 FOOT ABOVE GROUND LEVEL
NOT CONSIDERED BY FOUR JACKS BROADCASTING, INC.
AS REQUESTED BY QUESTION 14 OF FCC FORM 301
FEBRUARY 1992

	NUMBER OF LIC	ENSEES OPERATING		
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TABLE IV

PART 90 SERVICES LOCATED AT SITE PROPOSED BY FOUR JACKS BROADCASTING, INC. N 39° 17' 13" - W 76° 45' 16"

FEBRUARY 1992

TABLE IV

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PWR-OUT	ERP GNI	D-ELE ANT-	LIC_NAME CITY HGT HAAT										
KNEA347 13212 BEALL	YX CREEK CT	852.5375	AMK COMMUNIC POTOMAC 772	ATIONS INC				39	17	13	76		
13212 BEALL	CREEK CT		AMK COMMUNIC POTOMAC 772									45 637092	16
13212 BEALL	CREEK CT		AMK COMMUNIC POTOMAC 772							13	. •	45 637092	16
13212 BEALL	CREEK CT		AMK COMMUNIC POTOMAC 772									45 637092	16
13212 BEALL	CREEK CT		AMK COMMUNIC POTOMAC 772									45 637092	16
13212 BEALL	CREEK CT		AMK COMMUNICA POTOMAC 772		MD	208540000	ANDREW	39 Daskalak	17 :IS	13	76 3019	45 637092	16
13212 BEALL	CREEK CT		AMK COMMUNIC POTOMAC 772		MD	208540000	ANDREW	39 DASKALAK		13		4 5 637092	16

TABLE IV

Page No. 2

	STREET ADDRE	ESS	SRVS FREQUENCY	CITY	ST ZIP	LAT-DEG ATTENTION	LAT-MIN	LAT-SEC	LON-DEG LON-MIN PHONE	LON_SEC
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TABLE IV

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PWR-OUT	ERP GNI	O-ELE ANT-	HGT HAAT			LAT-DEG LA ATTENTION					
KNEA347	YX	858.0375	AMK COMMUNICAT	IONS INC		39	17	13	76		
13212 BEALL	CREEK CT		POTOMAC		MD 20854000	O ANDREW DASKALAKI	S		3019	637092	
70.00000	1.00000 540	550	772 F	B2C							
KNEA347	YX	857.0375	AMK COMMUNICAT	IONS INC		39	17	13	76	45	16
13212 BEALL	CREEK CT		POTOMAC			ANDREW DASKALAKI				637092	
70.00000	1.00000 540	550	772 F	B2C							
KNEA347	YX	853.2375	AMK COMMUNICAT	IONS INC		39	17	13	76	45	16
						ANDREW DASKALAKI				637092	
70.00000	1.00000 540	550	772 F	B2C							
KNEA347	YX	859.0625	AMK COMMUNICAT	IONS INC		39	17	13	76	45	16
13212 BEALL	CREEK CT		POTOMAC		MD 20854000) ANDREW DASKALAKI	S		3019	637092	
70.00000 10	0.00000 540	550	772 F	B2C							
KNEA347	YX	856.0375	AMK COMMUNICAT	IONS INC		39	17	13	76	45	16
13212 BEALL	CREEK CT		POTOMAC			ANDREW DASKALAKI				637092	
70.00000	1.00000 540	550	772 FI	B2C							
KNEA347	YX	860.0625	AMK COMMUNICAT	IONS INC		39	17	13	76	45	16
13212 BEALL	CREEK CT		POTOMAC		MD 20854000) ANDREW DASKALAKIS	3		3019	637092	
70.00000 10	0.00000 540	550	772 FI	B2C							
KNEA347	YX	865.6125	AMK COMMUNICAT	IONS INC		39	17	13	76	45	16

TABLE IV

Page No. 4

PWR-OUT	ERP GN	D-ELE ANT-										
KNEA347 13212 BEALL	YX CREEK CT	862.6125	AMK COMMUNICA POTOMAC 772	ATIONS INC				17	13	76		16
70.00000	1.00000 54	0 550	772	FB2C								
KNEA347 13212 BEALL	CREEK CT		AMK COMMUNICA POTOMAC 772				39 ANDREW DASKAI	17 LAKIS			4 5 637092	16
70.00000	1.00000 54	0 550	112	FB2C								
KNEA347 13212 BEALL							39 ANDREW DASKAI	17 LAKIS		76 3019	45 637092	16
70.0000	1.00000 34	0 330	772	r bz c								
WNKJ330			BROWNING FERR					17	13			16
7521 CEMETA 70.00000 1	RY LN 55.00000 54				MD	212270000				3017	997822	
			C & E INCORPO				39	17	13	76	• •	16
POB 691054 150.00000 3				FB2C	TX	772691054				7138	944800	
WNKM905 POB 691054			C & E INCORPO		ТX	772691054	39	17	13		45 944800	16
150.00000 3	50.00000 54	0 550		FB2C								
POB 691054			C & E INCORPO	PRATED	ТX	772691054	39	17	13	76 7138	45 944800	16
150.00000 3	50.00000 540	0 550	772	FB2C								

TABLE IV

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CALLSIGN RADIO_SRVS FREQUENCY STREET ADDRESS PWR-OUT ERP GND-ELE ANT-	CITY -HGT HAAT	ST ZIP	LAT-DEG ATTENTION	LAT-MIN	LAT-SEC	LON-DEG LON-MIN PHONE	LON_SEC
WNKM905 YS 935.3000 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 45 7138944800	16
WNKM905 YS 935.3125 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 45 7138944800	16
WNKM905 YS 935.3250 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 45 7138944800	16
WNKM905 YS 935.3375 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 45 7138944800	16
WNKM905 YS 935.3500 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 45 7138944800	16
WNKM905 YS 935.3625 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 45 7138944800	16
WNKM905 YS 935.3750 POB 691054 150.00000 350.00000 540 550	C & E INCORPORATED HOUSTON 772 FB2C	TX 772691054	39	17	13	76 4 5 7138944800	16

TABLE IV

Page No. 6

	RESS	GND-ELE A				ST	ZIP	ATTEI	LAT-DEG NTION	LAT-MIN	LAT-SEC	LON-DEG PHON	LON-MIN E	LON_SEC
WNNJ721		936.16						. حد س ہے کہ سہ	 39	17		76	45	16
829 W BALT	IMORE ST		В	LTIMORE		MD	212010000	CARL	PARR JR			3015	987100	
30.00000	35.00000	540 5	50 7	/2 M	O									
WNNJ721	GÜ	937.16	25 CARL	MESSENGER	INC				39	17	13	76	45	16
829 W BALT				LTIMORE		MD	212010000	CARL	PARR JR			3015	987100	
30.00000	35.00000	540 5	50 77	'2 M	10									
WNNJ721	GÜ	897.16	25 CARL	MESSENGER	INC				39	17	13	76	45	16
829 W BALT	IMORE ST		B/	LTIMORE		MD	212010000	CARL	PARR JR			3015	987100	
30.00000	35.00000	540 5	50 77	'2 M	10									
WNNJ721	GÜ	898.16	25 CARL	MESSENGER	INC				39	17	13	76	45	16
829 W BALT	IMORE ST		B	LTIMORE		MD	212010000	CARL	PARR JR			3015	987100	
30.00000	35.00000	540 5	50 77	'2 M	Ю									
WNNJ721	GU	936.16								17	13	76	45	16
829 W BALT	IMORE ST		B2	LTIMORE		MD	212010000	CARL	PARR JR			3015	987100	
150.00000	350.00000	540 5	50 77	2 F	B2									
WNNJ721	GU	937.16	25 CARL	MESSENGER	INC				39	17	13	76	45	16
829 W BALT	IMORE ST		B	LTIMORE		MD	212010000	CARL	PARR JR			3015	987100	
150.00000	350.00000	540 5	50 77	2 F	B2									
WNMN648	GU	898.13	75 CARL	MESSENGER	SERVICE	INC			39	17	13	76	45	16
829 W BALT				LTIMORE		MD	212010000					3015	987100	
30.00000	35.00000	540 5	50 77	2 M	0									

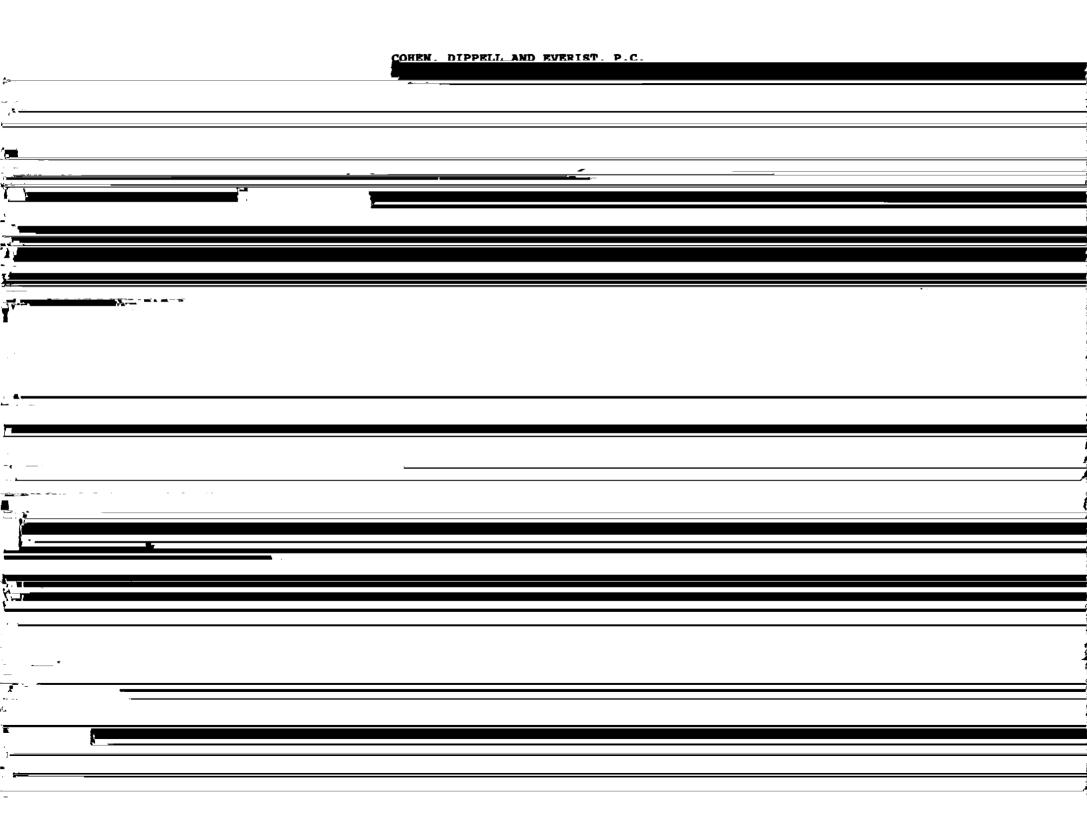


TABLE IV

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TABLE IV

PART 90 SERVICES Page No. 9 IOCATED AT SITE PROPOSED